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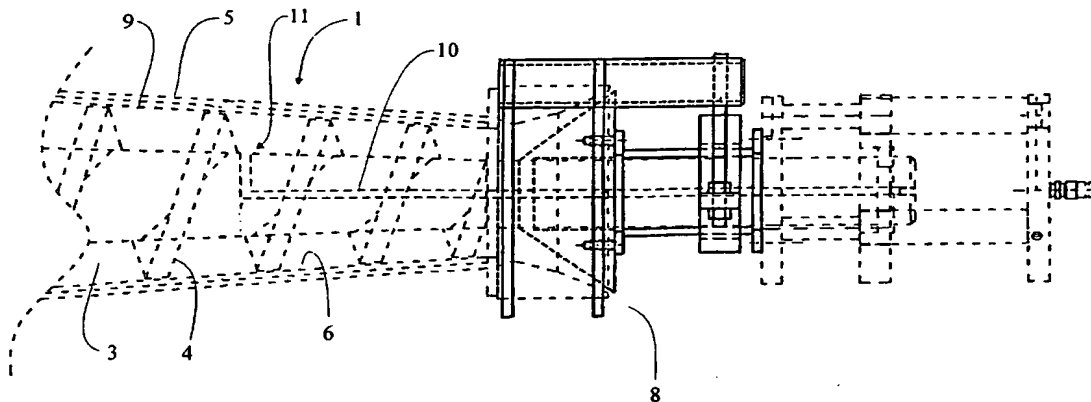
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(54) Title: SCREW COMPRESSOR FOR COMPRESSING WET MATTER AND A METHOD FOR COMPRESSING AND WASHING



(57) **Abstract:** The invention relates to a screw compressor (1) for compressing matter (2) that passes through the screw compressor (1). The screw compressor comprises a screw (3) having an outer thread (4) with a pitch that decreases in the longitudinal direction of the screw (3), and a casing 5 that encases the screw (3). The casing has an inner side (6) that faces the thread (4) of the screw (3) so that matter may be passed ahead through the screw compressor (1) between the screw (3) and the inner side of the casing (5) in a direction from an inlet end (7) of the screw compressor, where the pitch of the screw (3) thread (4) is greater, to an outlet end (8) of the screw compressor (1), where the pitch of the screw (3) thread (4) is smaller. Appliances are arranged on the inner side of the casing to prevent matter that passes through the screw compressor from rotating along with the screw (3). Inside the screw (3), a conduit (10) is arranged for introduction of liquid. The invention also relates to a method for compressing and dewatering.

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